

# **2-Propylheptanol Global Market Insights 2025, Analysis and Forecast to 2030, by Manufacturers, Regions, Technology, Application**

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## **Abstracts**

### **2-Propylheptanol Market Summary**

#### **Introduction**

2-Propylheptanol (2-PH) is a branched alcohol primarily utilized in producing plasticizers, surfactants, and lubricants. Its key applications include Di-propylheptyl-phthalate (DPHP) for plasticizers, synthesized through an esterification reaction using phthalic anhydride and 2-PH with tetraoctyl titanate as a catalyst, and 2-propylheptanol polyoxyethylene ether for surfactants. The market is propelled by demand for flexible PVC in construction and automotive sectors, as well as detergents and industrial lubricants. Major producers include Yanan Energy and Chemical Group with an 80,000-ton annual capacity, BASF-YPC (a 50:50 joint venture between BASF and SINOPEC) with 80,000 tons, and Shenhua Baotou Coal Chemical Co. Ltd. with 60,000 tons. Recent developments include CNOOC Huizhou Petrochemical Co. Ltd.'s 100,000-ton 2-PH project launched in July 2024 and Rongsheng New Materials (Taizhou) Co. Ltd.'s planned 300,000-ton facility within a 10-million-ton high-end chemical project announced in November 2023, signaling robust growth prospects.

#### **Market Size and Growth Forecast**

The global 2-PH market is expected to reach 400-700 million USD by 2025, with a CAGR of 2.3-4.3%. This growth is driven by expanding applications in plasticizers and surfactants, particularly in Asia.

#### **Regional Analysis**

Asia-Pacific: Growth ranges from 3.0-5.0%. China dominates production and consumption, fueled by its vast chemical industry and infrastructure projects, making it a

key market driver.

Europe: Growth is projected at 2.0-3.5%. Germany and France lead with a focus on high-quality plasticizers and surfactants, emphasizing sustainability.

North America: Growth falls between 2.0-3.5%. The U.S. supports demand through industrial applications and innovation in chemical manufacturing.

Asia-Pacific leads due to its production scale, while Europe and North America prioritize quality and eco-friendly solutions.

#### Application Analysis

Plasticizers: Growth is estimated at 2.5-4.5%. DPHP demand rises with flexible PVC use in construction and automotive industries, driven by durability and versatility trends.

Surfactants: Growth ranges from 2.0-4.0%. Used in detergents, demand aligns with consumer goods expansion, particularly in emerging markets.

Lubricants: Growth is forecasted at 2.0-3.5%. Industrial applications ensure steady demand, supported by manufacturing growth.

Others: Growth falls between 1.5-3.0%. Niche uses in chemical synthesis exhibit moderate expansion, tied to specialty applications.

Trends toward sustainable and high-performance chemicals bolster 2-PH's growth across these segments.

#### Key Market Players

BASF: A global leader supplying 2-PH for plasticizers and surfactants, known for its extensive chemical portfolio.

Evonik: Specializes in high-performance chemicals, including 2-PH derivatives, catering to industrial needs.

Perstorp: Focuses on plasticizers and specialty chemicals, offering innovative 2-PH solutions.

Shenhua Baotou Coal Chemical Co. Ltd.: A major Chinese producer with a 60,000-ton capacity, serving regional markets.

Yanan Energy and Chemical Group: Operates an 80,000-ton facility, supporting both domestic and export demand.

These firms shape market dynamics through capacity expansion and innovation.

#### Porter's Five Forces Analysis

Threat of New Entrants: Moderate. New projects like CNOOC's indicate growth potential, but significant scale and expertise requirements limit entry.

Threat of Substitutes: Moderate. Alternative alcohols compete, but 2-PH's unique properties secure its market position.

**Bargaining Power of Buyers:** High. Large chemical firms can negotiate terms, pressuring producers on pricing.

**Bargaining Power of Suppliers:** Moderate. Raw material suppliers exert some influence, though availability mitigates this power.

**Competitive Rivalry:** High. Established and emerging players compete on capacity, pricing, and innovation, intensifying market competition.

#### Market Opportunities and Challenges

**Opportunities:** Capacity expansions in Asia offer significant growth potential.

Innovations in sustainable chemicals enhance market appeal, aligning with global environmental trends.

**Challenges:** Market concentration risks supply disruptions, particularly in Asia.

Regulatory pressures on chemical production pose hurdles, requiring compliance and adaptation.

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